Physiological Genomics

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Scope of Journal
Physiological Genomics (physiolgenomics.org) publishes the results of a wide variety of experimental and computational studies from human and model systems to link genes and pathways to physiological functions. The journal encourages the submission of research utilizing genomics, epigenomics, proteomics, metabolomics, and other systems approaches together with novel technologies linking genes to the function of complex biological pathways.

Authors are required to submit papers online at www.apscentral.org.

A Few HOT Articles
Llamas B, Belanger S, Picard S, Deschepper C. Cardiac mass and cardiomyocyte size are governed by different genetic loci on either autosomes or chromosome Y in recombinant inbred mice. Physiol Genomics 31: 176-182, 2007. First published June 12, 2007; doi:10.1152/physiolgenomics.00072.2007.


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2010 American Physiological Society Conferences

APS Intersociety Meeting: Global Change and Global Science: Comparative Physiology in a Changing World

**Date & Location:** August 4-7, 2010
Westin Westminster Hotel, Westminster, Colorado

**Abstracts Due:** May 3, 2010  **Advance Registration:** June 25, 2010

**Preliminary Program:**
- The Role of Physiology in Organismal Responses to Global Warming
- Off the Beaten Path: Integrative Aspects of Muscle Function During Diverse Locomotor Behaviors
- Hydration, Desiccation, Regulation: The Comparative Physiology of Water Balance
- Physiological Effects of Ocean Acidification on Marine Animals in Times of Ocean Warming: Ecosystem Implications
- Evaluating the Effects of Global Climate Change to the Fauna of South American Biomes: Consequences to Diversity from a Physiological Perspective
- Environmental Adaptations of Cardio-Respiratory Systems
- Putting Comparative Physiology to Work in the Field: Stable Isotopes as Tracers of Ecological Processes
- Genomics and Proteomics Approaches to Understanding Environmental Stress
- The Life History Physiology Nexus
- The Physiology of Trace Metal Homeostasis and Toxicity
- Global Change and the Emerging Threat of Dead Zones: Can Individuals, Populations, Species, and Communities Respond to Increasingly Hypoxic Oceans?

For more info or to register, visit: www.the-aps.org/comparative

APS Conference: Inflammation, Immunity and Cardiovascular Disease

**Date & Location:** August 25-28, 2010
Westin Westminster Hotel, Westminster, Colorado

**Abstracts Due:** May 14, 2010  **Advance Registration:** July 23, 2010

**Preliminary Program:**

### Basic Aspects of Immunology
- Basic Aspects of T Cell Function
- How to Measure and Study Immune Responses
- Events in the Lifespan of a T Cell
- Cytokines and the Use of Cytokine Directed Therapy
- Roles of NK and NKT Cells During Early Lesion Formation

### Cell Interactions and Antigen Presentation
- Antigen Presentation and Dendritic Cell Function
- The Dendritic Cell and Transition from Innate to Adaptive Immunity

### Inflammation and the Metabolic Syndrome
- Obesity and Inflammation
- Toll-Like Receptors and Metabolic Syndrome

### Inflammation, the Vascular Wall and Lesion Formation
- Immunobiology of the Endothelium
- The Adaptive Immune Response and Atherosclerosis
- Innate Immunity and Lesion Formation
- Immune Cell Recruitment and Atherosclerosis

### Inflammation, Immunity, Hypertension and Renal Disease
- Innate and Adaptive Immune Mechanisms in Salt-Sensitive Hypertension
- T Regulatory Cells, Renal Discourse and Hypertension
- IL-17 and Hypertension
- Immune Cells in Sodium-Sensitive Hypertension
- Renal Inflammation and Renal Injury

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